Delomatic 4
DM-4 Land/DM-4 Marine
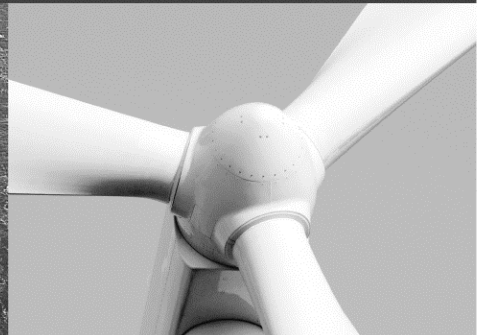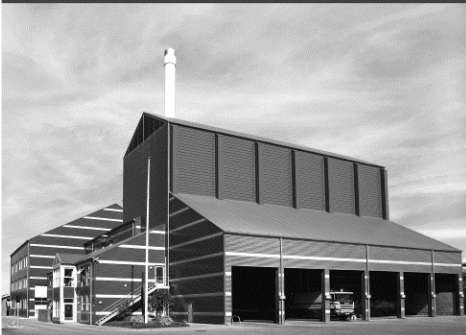
General menu system
Part 2, chapter 15

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15. The general menu system

The Delomatic menu systems are operated via the display units. They provide access to all programmable set-points/timers, system selections and read-out of selected measured values.

The layout of the display unit is illustrated below.

On the display unit, there is a number of push-buttons with a predefined function behind. From the left these are:

INFO	Opens the alarm info window
🔊	Acknowledges the alarm horn
JUMP	Opens a jump window where the operator can jump to a selectable window
STOP	Gives a stop command
START	Gives a start command
CB OFF	Gives a CB Off command
CB ON	Gives a CB On command
CTRL	Calls the master control to the present display (only relevant in systems with duplicated or tripled displays)
LOG	Opens a log where the latest 150 events are logged
◁	Moves the focus to the left in the menu structure
▽	Moves the focus down in the menu structure
△	Moves the focus up in the menu structure
▷	Moves the focus to the right in the menu structure
↵	(ENTER)
BACK	Moves back to the previous position
1st PRIOR	Changes the DG to have 1st start priority

STOP, START, CB OFF and CB ON are only active in SEMI-AUTO mode.

From the main view (see above), the operator can enter either the setup menu or one of the five

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view screens called:

View 0 (V0) – Shows a various number of windows showing measurements from SCM 0
View 1 (V1) – Shows a various number of windows showing measurements from SCM 1
View 2 (V2) – Shows a various number of windows showing measurements from SCM 2
View 3 (V3) – Shows a various number of windows showing measurements from SCM 3
View 4 (V4) – Shows a various number of windows showing measurements related to the PMS

The configuration of the "VIEW" windows is done by DEIF according to project specifications. It is not possible to configure the windows through the display.

Display maneuvering in the menus

The menu navigating starts from the fourth line in the entrance window and is carried out using the arrow, enter and back push-buttons.

The window above shows the project number, software version and release in the first line, the date and clock in the second and the text SETUP MENU in the third line. In line four, it is possible to select the SETUP menu or V0-V4:

Setup menu – accesses the following submenus:
Protection setup (PROT), control setup (CTRL), input/output setup (INPUT), system setup (SYST), see below.

Arrow push-buttons

Underscore   ENTER push-button

To go to the setup menus, select SETUP by moving the cursor under SETUP with the arrow push-buttons.

Press ↵ (ENTER).

The setup menu has 4 submenus:

- PROT (protection)
- CTRL (control)
- INPUT (input/output)
- SYST (system)

ⓘ   **When entering the SETUP menu, the feature "Info-Message" (refers to chapter 3 in the part 1 documentation) is disabled.**

PROTECTION (PROT)

Under the PROTECTION SETUP, all the protection functions can be configured. To get to the PROT menu, use the arrow push-buttons to select PROT and press ENTER. The following display appears.

Each protection has a setpoint (SP), timer (DEL) and a Fail class(FC) that can be configured within defined limits. All parameters are password-protected to prevent unauthorised personnel from changing the settings.

CONTROL (CTRL)

The CONTROL menu contains all parameters, limits and delays regarding the synchronisation and control. All parameters, limits and delays can be configured within defined limits. All parameters are password-protected to prevent unauthorised personnel from changing the settings.

INPUT (INPUT)

The INPUT menu contains all parameters, limits and delays regarding different inputs and outputs. All parameters, limits and delays can be configured within defined limits. All parameters are password-protected to prevent unauthorised personnel from changing the settings.

SYSTEM (SYST)

The SYSTEM menu contains all the general parameters, limits and delays regarding different inputs and outputs. All parameters, limits and delays can be configured within defined limits. All parameters are password-protected to prevent unauthorised personnel from changing the settings.

If no actions have been taken within three minutes, the password entry will be deactivated, and a new password entry will be needed. Also the screen will change back to the main view.

Alarm function

The Delomatic unit will detect and display the enabled alarms, which arise in the display unit. An active unacknowledged alarm is indicated with a flashing red alarm LED in the upper left corner of the display unit. When the alarm is acknowledged, but still active, the alarm LED will change to a steady red. To open the alarm, press the INFO push-button on the display unit. If more than one alarm is active, it is possible to toggle through the alarm list by using the ▲ or ▽ push-buttons on the display. The alarm information window displays one alarm at a time and whether

it is acknowledged or not. If it is unacknowledged, move the cursor to ACK. and press the ⏎ push-button to acknowledge it. When the alarm is acknowledged and removed from the system, the alarm will disappear from the list.

Log function

The log automatically saves the last 150 events overwriting the oldest when the log is full. The log can be opened by pressing the LOG push-button on the display unit. It is possible to toggle through the list by using the △ or ▽ push-buttons on the display.

Two events have the same ID "POWER UP" and "FIRST RUN". Depending on whether the system has been powered up or has had new software downloaded. The ID is 000.

Special functions

Activate a single alarm or all alarms in the rack

In test mode menu no. 4300 (press JUMP and go to menu 4300), a single alarm can be initiated, or all alarms can be initiated. This is very handy when testing communication to alarm and monitoring systems. All alarms in a rack are easily tested within a few hours.

Service menu

Status of timers, inputs and outputs can be monitored in the service menu no. 4980.

After having selected the Timer ID, the remaining time is presented on the display. Example:

After having selected the input, output and module ID, the status of each input/output is indicated in the display. Example:

Binary input for channel 0 is indicated as the first digit seen from the left.
A low status is indicated with a 0, a high status is indicated as 1. If the input channel is selected for analogue, it is indicated with an A.

Project software version menu

Software version can be indicated by selecting the menu no. 6000. Example:

The software version number is also indicated in the main SETUP MENU view.

When support is needed either on phone or mail, please investigate these numbers. They will be asked for to give the optimum support. Otherwise, the supporter can not go into the correct project and software to guide the operator the best way to find the problem/solution.

DEIF A/S reserves the right to change any of the above.